

## ABSTRACT

During the time when a mobile station of a communicating party receives a signal from another base, a synchronization control section 101 instructs stop of signal transmission to  
5 a control section 102-1, which corresponds to a system that transmits a signal with carrier frequency  $f_1$  at which a signal is received from another base station, and a control section 102-2, which corresponds to a system that transmits a signal with carrier frequency  $f_2$  adjacent to a frequency at which a  
10 signal is received from another base station. When receiving instructions to stop the transmission from the synchronization control section 101, a control sections 102-1 and 102-2 instruct switch 104-1 and a switch 104-2 to cut off a signal to be transmitted and instruct an RF analog section 107-1 and an RF  
15 analog section 107-2 to stop the signal transmission.